



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

April 03, 2018

Mr. Dave Shelow & Ms Fran Verhalen
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-06
RTP, NC 27709
Project Name: Chloroprene

Dear Mr. Dave Shelow & Ms Fran Verhalen,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 03/27/18 10:50 through 03/28/18 10:52.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Mr. Dave Shelow & Ms Fran Verhalen

PHONE: (919) 541-3776 **FAX:** -

FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
East St. John the Baptist Hig	8032722-01	Air	03/23/18 14:08	03/27/18 10:50
Fifth Ward Elementary Schoo	8032722-02	Air	03/23/18 14:27	03/27/18 10:50
Fifth Ward Elementary Schoo	8032722-03	Air	03/23/18 14:27	03/27/18 10:50
238 Chad Baker	8032722-04	Air	03/23/18 14:29	03/27/18 10:50
Ochsner Hospital	8032722-05	Air	03/23/18 14:12	03/27/18 10:50
Levee	8032722-06	Air	03/23/18 14:23	03/27/18 10:50
Acorn and Hwy 44	8032722-07	Air	03/23/18 14:20	03/27/18 10:50
East St. John the Baptist Hig	8032801-01	Air	03/26/18 11:33	03/28/18 10:52
East St. John the Baptist Hig	8032801-02	Air	03/26/18 11:33	03/28/18 10:52
Acorn and Hwy 44	8032801-03	Air	03/26/18 11:45	03/28/18 10:52
238 Chad Baker	8032801-04	Air	03/26/18 11:54	03/28/18 10:52
Fifth Ward Elementary Schoo	8032801-05	Air	03/26/18 11:52	03/28/18 10:52
Ochsner Hospital	8032801-06	Air	03/26/18 11:38	03/28/18 10:52
Levee	8032801-07	Air	03/26/18 11:48	03/28/18 10:52



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8032722-01

Sampled: 03/23/18 14:08

Pressure @ Receipt: 8.00" Hg

Canister #: SAT160

Received: 03/27/18 10:50

Comments: PR-14 Start 13:48 3/22/18

Analyzed: 03/28/18 15:18

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.287	1.04		0.0129



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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 8032722-02

Sampled: 03/23/18 14:27

Pressure @ Receipt: 7.50" Hg

Canister #: 19280

Received: 03/27/18 10:50

Comments: Col 1 PR-15 Start 14:10 3/22/18

Analyzed: 03/28/18 16:19

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.42	5.15		0.0129



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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 8032722-03

Sampled: 03/23/18 14:27

Pressure @ Receipt: 7.00" Hg

Canister #: SAT169

Received: 03/27/18 10:50

Comments: Col 2 PR-8 Start 14:10 3/22/18

Analyzed: 03/28/18 17:21

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.53	5.55		0.0129



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REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 8032722-04

Sampled: 03/23/18 14:29

Pressure @ Receipt: 11.00" Hg

Canister #: A21065

Received: 03/27/18 10:50

Comments: PR-12 Start 14:14 3/22/18

Analyzed: 03/28/18 20:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.31	4.75		0.0129



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REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 8032722-05

Sampled: 03/23/18 14:12

Pressure @ Receipt: 6.50" Hg

Canister #: 5149

Received: 03/27/18 10:50

Comments: PR-22 Start 13:55 3/22/18

Analyzed: 03/28/18 21:30

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.758	2.75		0.0129



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REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 8032722-06

Sampled: 03/23/18 14:23

Pressure @ Receipt: 8.50" Hg

Canister #: 5089

Received: 03/27/18 10:50

Comments: PR-24 Start 14:05 3/22/18

Analyzed: 03/28/18 22:32

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.668	2.42		0.0129



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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 8032722-07

Sampled: 03/23/18 14:20

Pressure @ Receipt: 7.50" Hg

Canister #: 19641

Received: 03/27/18 10:50

Comments: PR-1 Start 14:00 3/22/18

Analyzed: 03/28/18 23:34

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.234	0.85		0.0129



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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8032801-01

Sampled: 03/26/18 11:33

Pressure @ Receipt: 8.50" Hg

Canister #: 5099

Received: 03/28/18 10:52

Comments: Col 1 PR-8 Start 11:22 3/25/18

Analyzed: 03/29/18 00:36

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.250	0.91		0.0129



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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 8032801-02

Sampled: 03/26/18 11:33

Pressure @ Receipt: 8.50" Hg

Canister #: A21052

Received: 03/28/18 10:52

Comments: Col 2 PR-14 Start 11:22 3/25/18

Analyzed: 03/29/18 01:38

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.265	0.96		0.0129



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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 8032801-03

Sampled: 03/26/18 11:45

Pressure @ Receipt: 8.00" Hg

Canister #: A21042

Received: 03/28/18 10:52

Comments: PR-1 Start 11:32 3/25/18

Analyzed: 03/29/18 04:45

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.00950	0.03	U	0.0129



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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 8032801-04

Sampled: 03/26/18 11:54

Pressure @ Receipt: 11.00" Hg

Canister #: SAT142

Received: 03/28/18 10:52

Comments: PR-12 Start 11:41 3/25/18

Analyzed: 03/29/18 05:48

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.0129



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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 8032801-05

Sampled: 03/26/18 11:52

Pressure @ Receipt: 8.50" Hg

Canister #: 5009

Received: 03/28/18 10:52

Comments: PR-15 Start 11:38 3/25/18

Analyzed: 03/29/18 06:51

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.0103	0.04	U	0.0129



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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 8032801-06

Sampled: 03/26/18 11:38

Pressure @ Receipt: 7.50" Hg

Canister #: 18830

Received: 03/28/18 10:52

Comments: PR-22 Start 11:25 3/25/18

Analyzed: 03/29/18 07:53

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.0314	0.11		0.0129



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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 8032801-07

Sampled: 03/26/18 11:48

Pressure @ Receipt: 8.50" Hg

Canister #: 18864

Received: 03/28/18 10:52

Comments: PR-24 Start 11:35 3/25/18

Analyzed: 03/29/18 08:55

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.00990	0.04	U	0.0129



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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B8C2802 - Summa Canister Prep

Blank (B8C2802-BLK1)

Prepared: 03/19/18 Analyzed: 03/28/18

Chloroprene	ND	ppbv				U
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Duplicate (B8C2802-DUP1)

Source: 8032722-02 Prepared: 03/23/18 Analyzed: 03/28/18

Chloroprene	1.40	ppbv	1.42	1.47	25	
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Duplicate (B8C2802-DUP2)

Source: 8032722-03 Prepared: 03/23/18 Analyzed: 03/28/18

Chloroprene	1.47	ppbv	1.53	4.23	25	
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Duplicate (B8C2802-DUP3)

Source: 8032801-01 Prepared: 03/26/18 Analyzed: 03/29/18

Chloroprene	0.265	ppbv	0.25	5.78	25	
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Duplicate (B8C2802-DUP4)

Source: 8032801-02 Prepared: 03/26/18 Analyzed: 03/29/18

Chloroprene	0.259	ppbv	0.27	2.52	25	
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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1803069

Calibration Check (1803069-CCV1)

Prepared & Analyzed: 03/28/18

Chloroprene	2.54	ppbv	3.4	30.00
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FILE #: 0344.00

REPORTED: 04/03/18 12:13

SUBMITTED: 03/27/18 to 03/28/18

AQS SITE CODE:

SITE CODE: Chloroprene

Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trchlorofluoromethane, and trichlorotrfluoroethane.